

**U.S. DEPARTMENT OF LABOR
WORKPLACE STANDARDS ADMINISTRATION
BUREAU OF LABOR STANDARDS
MATERIAL SAFETY DATA SHEET**

MAY 21 1982
FORM NO. OSHA-20 (MODIFIED)
MAY 1971

MDC CONTROL NO. _____

Dpm 189

SECTION I: MATERIAL AND MANUFACTURER IDENTIFICATION

MANUFACTURER'S NAME METCO Inc.		EMERGENCY TELEPHONE NO. 516-334-1300
ADDRESS (NUMBER, STREET, CITY, STATE AND ZIP CODE) 1101 Prospect Aven. Westbury, NY 11590		
CHEMICAL NAME AND SYNONYMS Aluminum Alloy #1100 Wire		TRADE NAME AND SYNONYMS METCO Aluminum Wire, Aluminum AW Wire
CHEMICAL FAMILY Aluminum Alloy	FORMULA SEE SECTION II	

SECTION II: HAZARDOUS INGREDIENTS*

PAINTS, PRESERVATIVES/SOLVENTS	%	TLV (UNITS)	ALLOYS AND METALLIC COATINGS	%	TLV (UNITS)
PIGMENTS		NA	BASE METAL		NA
CATALYST		NA	ALLOYS		NA
VEHICLE		NA	METALLIC COATINGS		NA
SOLVENTS		NA	FILLER METAL PLUS COATING OR CORE FLUX		NA
ADDITIVES		NA	OTHERS		NA
OTHERS		NA			

HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES*	%	TLV (UNITS)
Typical Analysis of Wire:		
Aluminum 99.0%		

SECTION III: PHYSICAL DATA

BOILING POINT (°F)	NA	SPECIFIC GRAVITY (H ₂ O = 1)	NA
VAPOR PRESSURE (mm Hg.)	NA	PERCENT VOLATILE BY VOLUME (%)	NA
VAPOR DENSITY (AIR = 1)	NA	EVAPORATION RATE (_____ = 1)	NA
SOLUBILITY IN WATER	NA		
APPEARANCE AND ODOR Wire; No odor			

SECTION IV: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED)	FLAMMABLE LIMITS	Lel	Uel
EXTINGUISHING MEDIA			
SPECIAL FIRE FIGHTING PROCEDURES			
Not Applicable			
UNUSUAL FIRE AND EXPLOSION HAZARDS			

*PLEASE DO NOT USE GENERALIZATIONS, SUCH AS PETROLEUM HYDROCARBONS, ALCOHOL, KETONES.
USE SPECIFIC CHEMICAL NAMES, SUCH AS METHANOL, BENZENE, PERCHLOROETHYLENE.

SECTION V: HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE

Aluminum - welding fumes 5mg/m³

EFFECTS OF OVEREXPOSURE

Avoid breathing dust during spraying.

For exact physiological effects, reference should be made to authoritative sources such

EMERGENCY AND FIRST AID PROCEDURES

as "Dangerous Properties of Industrial Materials" by N. Irving Sax. Refer to Safety

Measures as described in METCO Flame Spray Handbook, Vol. I and applicable Flame Spray

Gun Instruction Manuals.

SECTION VI: REACTIVITY DATA

STABILITY	UNSTABLE	CONDITIONS TO AVOID
	STABLE	Not Applicable

INCOMPATIBILITY (MATERIALS TO AVOID)

HAZARDOUS DECOMPOSITION PRODUCTS

HAZARDOUS POLYMERIZATION	MAY OCCUR	CONDITIONS TO AVOID
	WILL NOT OCCUR	Not Applicable

SECTION VII: SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Not Applicable

WASTE DISPOSAL METHOD

Not Applicable

SECTION VIII: SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (SPECIFY TYPE)

Follow safety measures as described in METCO Flame Spray Handbook,

VENTILATION	LOCAL EXHAUST Vol. I and applicable Flame Spray Gun Instruction Manuals.	SPECIAL
	MECHANICAL (GENERAL)	OTHER

PROTECTIVE GLOVES	EYE PROTECTION Dark Glasses while spraying
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OTHER PROTECTIVE EQUIPMENT

SECTION IX: SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Not Applicable

OTHER PRECAUTIONS

PREPARED BY

DATE